

RT Environmental Services, Inc.

May 2, 2008

Ms. Kathy Horvath, PG
Pennsylvania Department of Environmental Protection
909 Elmerton Drive
Harrisburg, PA 17110-8200

**RE: SUBMITTAL OF COMBINED REMEDIAL INVESTIGATION/FINAL REPORT
LOWER MILL FACILITY - MANHEIM BOROUGH**

Dear Ms. Horvath:

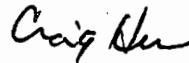
RT Environmental Services, on behalf of The Manheim Area Economic Development Corp., is pleased to submit a combined Remedial Investigation/Final Report for the former Raymark Industries Lower Mill Facility.

Copies of the proof of publication and municipal notification for the submittal of the above mentioned report are attached. Also attached is the transmittal sheet for report submission and the report review fee.

We appreciate the opportunity to work further with the Department on this land recycling project. Should there be any questions during review of these reports, do not hesitate to call at our King of Prussia office.

Very truly yours,

RT ENVIRONMENTAL SERVICES, INC.



Craig Herr, P.G.

cc: Robert Stoner - MAEDC
Gary Brown - RT

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Land Recycling Program
Transmittal Sheet for Plan/Report Submission

Instructions: Please provide all requested information in each of the four sections. This transmittal sheet shall accompany any plan/report submitted to the Department under the Land Recycling Program. Proper completion of the Transmittal Sheet will assist Department review and may avoid a finding of plan/report deficiency. The Facility ID number can be obtained from the Department's Environmental Cleanup Program in the region where the site is located.

Section 1 - Site Identification

FACTS Facility ID 622627

Site Name Manheim - Lower Mill Facility

Site Address 128 East Stiegel Street

Municipality and County Manheim Borough, Lancaster County

Section 2 - Remediation Standard . . Plan/Report . . Fees

Identify the remediation standard being pursued and the type of plan/report being submitted. Please note required department fees follow each type of plan/report.

Check the relevant standard and the type of plan/report being submitted.

- | | |
|--|--|
| <input type="checkbox"/> Background Standard
Final Report (\$250 fee) | <input type="checkbox"/> Statewide Health Standard
Final Report (\$250 fee) |
| <input type="checkbox"/> Site-Specific Standard | <input type="checkbox"/> Special Industrial Area |
| <input checked="" type="checkbox"/> Remedial Investigation Report
(\$250 fee) | <input type="checkbox"/> Work Plan
(no fee) |
| <input type="checkbox"/> Risk Assessment Report
(\$250 fee) | <input type="checkbox"/> Baseline Environmental Report
(no fee) |
| <input type="checkbox"/> Cleanup Plan (\$250 fee) | |
| <input checked="" type="checkbox"/> Final Report (\$500 fee) | |

Ensure your check covers all required fees and is made payable to the **Commonwealth of Pennsylvania**.

Section 3 - Municipal/Public Notice Confirmation

There are two stages in the Land Recycling Program where municipal and public notices are required. Read the information associated with each stage. You will be asked to confirm that information establishing your compliance with these notification requirements has been included with this submission.

- ☐ Check here if you are planning to meet the Background or Statewide Health Standard and your Final Report has been submitted within 90 days of the release.

Indicate date of release here _____

No further completion of this section is required if your Final Report for these two standards conforms to the 90 day time frame.

Stage 1 - Notice of Intent to Remediate (NIR)

- ☒ Check here to confirm you have included proof that a copy of your NIR was provided to each municipality where your site is located. Proof will be a copy of your cover letter and a copy of a signed certified mail receipt slip from the municipality.
- ☒ Check here to confirm a copy of a proof of publication document from a newspaper serving the area of your site has been included with this submission.
- ☐ Check here to indicate that a Site-Specific Standard or a Special Industrial Area is involved and a municipal request was received for development of a public involvement plan. The plan/report submission shall include municipality and public comments, which were submitted, and your responses to those comments.

Stage 2 - Cleanup Plan/Report Submission

April 14, 2008 _____ Place date here that each municipality was notified of any plan or report submitted under any of the three remediation standards.

April 21, 2008 _____ Lancaster Newspaper, Inc. Place the newspaper name and date that your notice of your plan/report submission was published.

Section 4 - Project Contact

On the lines below, place the name, company, and business phone number of the individuals who can be contacted regarding this submission:

<u>Draig Herr, P.G.</u>	_____
<u>10-265-1510</u>	_____
<u>RT Environmental Services, Inc.</u>	_____
<u>15 West Church Road</u>	_____
<u>King of Prussia, PA 19406</u>	_____

RT Environmental Services, Inc.

via CERTIFIED MAIL # 7006 5150 0003 0240 4156
RETURN RECEIVE REQUESTED

April 14, 2008

Mr. Robert D. Stoner
Borough Manager
15 East High Street
Manheim, PA 17545
(717) 665-2461 / Fax (717) 665-7324

**RE: SUBMITTAL OF REMEDIAL INVESTIGATION/FINAL REPORT
128 EAST STIEGEL STREET
MANHEIM, LANCASTER COUNTY, PENNSYLVANIA
RT PROJECT #2708-66**

Dear Mr. Stoner:

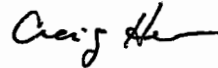
RT Environmental Services, Inc. (RT), on behalf of The Manheim Area Economic Development Corp. (MAEDC) (Remediator), is pleased to submit this Notice of Intent to Remediate (NIR) for the above-referenced site.

The Land Recycling and Environmental Remediation Standards Act ("Act 2") requires that a Notice of a Remedial Investigation/Final Report submittal for a site be provided to the municipality in which the site is located. In accordance with the provisions of the Act, we are formally notifying you of our Remedial Investigation/Final Report submittal for the subject site. A copy of the Remedial Investigation/Final Report has been sent to the Department of Environmental Protection ("DEP"). A notice of the Final Report submittal will be published in the Lancaster Intelligencer Journal-New Era.

Please feel free to contact me if you have any questions at 610-265-1510 ext. 15.

Sincerely,

RT ENVIRONMENTAL SERVICES, INC.



Craig Herr, P.G.

cc: Gary R. Brown - RT

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SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Robert D. Stoner
Borough Manager
15 East High Street
Manheim, PA 17545

2. Article Number

(Transfer from service label)

7006 2150 0003 0240 4156

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Creed*☒ Agent☐ Addressee

B. Received by (Printed Name)

CL HOOPER

C. Date of Delivery

4-21-08

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☒ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Insured Mail☒ Return Receipt for Merchandise☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

April 14, 2008

VIA FACSIMILE

Classified Department
Lancaster Newspapers (New Era)
8 W. King Street
Lancaster, PA 17603
(717)291-8811/Fax (717)291-8728

**RE: SUBMITTAL OF NOTICE OF INTENT TO REMEDIATE
128 EAST STIEGEL STREET
MANHEIM, LANCASTER COUNTY, PENNSYLVANIA
RT PROJECT #2708-66**

Attn. Classified Department:

Please provide a price to place the following ad in the **LEGAL NOTICE** section of the Lancaster New Era. This ad needs only to be run once. Please call to confirm the price, and we will then fax you a purchase order. We also require that a proof of publication be mailed to us as soon as possible after the ad is published.


NOTICE OF FINAL REPORT SUBMITTAL

Pursuant to the Land Recycling and Environmental Remediation Standards Act, the act of May 19, 1995, Act No. 1995-2 (the "Act"), notice is hereby given that Manheim Area Economical Development Corp. (MAEDC) (Remediator) has submitted to the Pennsylvania Department of Environmental Protection a Remedial Investigation/Final Report Submittal for the site located at 128 Stiegel Street, Manheim, Lancaster County (the Site). The site had levels of arsenic, chromium, selenium, lead, and benzene in the soils. The Remediator remediated the site through engineered and institutional controls to demonstrate attainment of Site-Specific and Statewide Health Standards for soil media. The proposed future use of the property is as a non-residential business park.

Please feel free to contact me at (610) 265-1510 if you have any questions.

Sincerely,

RT ENVIRONMENTAL SERVICES, INC.



Craig Herr, P.G.

cc: R. Stoner - MAEDC
G. Brown - RT

G:\RT PROJECTS\2700 SERIES\2708-66\ACT 2\FINAL REPORT NEWS.DOC



PROOF OF PUBLICATION NOTICE IN

State of Pennsylvania}
 } ss:
County of Lancaster}

Penny L. Stauffer of the County and State aforesaid, being duly sworn, deposes and says that the Intelligencer Journal-New Era a daily newspaper of general circulation published at Lancaster, County and State aforesaid, was established 1794-1877 since which date said daily newspaper has been regularly issued in said county, and that a copy of the printed notice or publication is attached hereto exactly the same as was printed and published in the regular editions and issues of said daily newspaper on the following dates, viz:

21ST DAY OF APRIL 2008

Affiant further deposes that she is the Billing Clerk duly authorized by the Lancaster Newspapers, Inc., a corporation, publisher of said Intelligencer Journal-Lancaster New Era-Sunday News a newspaper of general circulation, to verify the foregoing statement under oath, and also declares that affiant is not interested in the subject matter of the aforesaid notice or advertisement and that all allegations in the foregoing statement as to time, place and character of publication are true.



Penny L. Stauffer
(Signature)

COPY OF NOTICE OF PUBLICATION

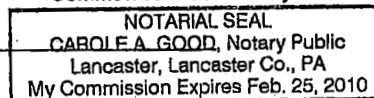
Sworn and subscribed to before me this
21ST DAY OF APRIL 2008

Carole A. Good

Notary Public

Commonwealth of Pennsylvania

My commission expires



Land Recycling Program

Submission Site for the Final Report Summaries

[Home](#) [Frequently Asked Questions](#)

Review a Final Report Summary

Final Report Summary

2008-05-02 10:16:08

Identification

Property Name: Manheim - Lower Mill Facility

Property Descriptor:

Address/Location

Address: 128 East Stiegel Street

City: Manheim

Zip Code: 17545

Municipality

Name	Site Located
Manheim borough	<input checked="" type="checkbox"/>

County: Lancaster

Latitude: +40° 9' 38.35" **Longitude:** -76° 23' 17.05"

Property Specifics

Size of property: 4.0 acres

Number of sites: 4

Combined acreage of sites: 0.38 acres

Remediation

Standards attained or special industrial area attainment. (Check all that apply. Can use multiple.)

- ☐ **Background**
- ☒ **Statewide health**
- ☒ **Site-specific**
- ☐ **Special industrial area**

Proposed future property use - scenario for which the attainment of Statewide Health standard is demonstrated

- ☐ **Residential**
- ☒ **Non-residential**

List of contaminants**Soils**

Chemical_Name	CAS_Number	Mass Contaminant Treated or Removed (lbs.)	Mass Contaminant Managed on Site (lbs.)
LEAD	007439-92-1	91.0	0.0
PHENANTHRENE	000085-01-8	0.0	0.12
PHENOL	000108-95-2	0.0	14978.0

Groundwater

Chemical_Name	CAS_Number	Mass Contaminant Treated or Removed (lbs.)	Mass Contaminant Managed on Site (lbs.)

Remediation

Number of sampling rounds for groundwater attainment: 0

Special Features

Non-use aquifer approval date:

Area-wide background approval date:

Amount of waste removed other than soil or groundwater (cubic yards): 0.0

☐ **Municipal ordinance prohibiting groundwater use:**

☒ **Post remediation care plan:**

A post-remedial care plan (PRCP) is needed as the site to assure and maintain attainment of the Site-Specific Standards and identify the non-residential site use. The PRCP will include routine periodic inspections of the site to document the condition of the non-woven geotextile liner and soil cover integrity is intact. The site inspection checklist will be completed during each annual inspection, detailing the condition of the engineering controls (geotextile liner and soil cover) and make recommendations for any identified maintenance items. The inspection checklist will be kept on Site with other facility records. If damage or erosion to the cap features is identifies, repairs are to be completed within the same calendar quarter that the maintenance item is identifies and PADEP will be notified of the non-attainment and the corrections made to bring the site back into compliance.

Other Programs

☐ **Key Site**

☐ **Multi-site Agreement; Date:**

☐ **Enterprise Zone**

☐ **Keystone Opportunity Zone**

Administrative

☐ **Municipality request for public involvement plan**

Deed notification

☐ **Deed acknowledgment:**

☒ **Deed restriction:**

Groundwater use is restricted. Comtaminated soil present in consolidation berm.

Cleanup cost (\$): 1000000.0

Jobs created/saved: 50

Narrative

RT Environmental Services, Inc. (RT) was retained by the Manheim Area Economic Development Corporation to complete underground storage tank (UST) post excavation sampling, subsurface soil excavations, and prepare a Combined Remedial Investigation Report and Final Report for the former Raymark Industries, Inc. Lower Mill facility ("Site"). The former Raymark Industries, Inc. site was involved in asbestos products manufacturing from the early 1900's until 1997. Site characterization activities conducted by RT began in May of 2000 which included tank closures, GEOPROBE® soil investigation work, and groundwater investigation work. An Act 2 Final Report was prepared for soil and groundwater at the Site and approved by the PADEP in April of 2003 through the Act 2 Land Recycling Program. During demolition and regrading of the Site beginning in December of 2006, three soil areas of concern (AOCs) were identified which were not discovered nor incorporated in the April 2003 Liability Relief. A summary of the three soil AOCs include; two gasoline underground storage tanks (USTs) were uncovered (AOC 1), a non-soil material, consisting of phenol, was encountered in two areas of the site (AOC 2A and AOC 2B), and historical petroleum-impacted soil (AOC 3). During the removal of the two leaded gasoline USTs, no separate phase liquid (SPL) or impacted soils were observed in the vicinity of the USTs at the time of discovery or removal. The USTs were removed and four confirmatory UST closure samples were collected for PADEP leaded gasoline parameters. Lead was detected in one soil sample exceeding the most stringent Residential Statewide Health Standard (rSHS) medium specific concentrations (MSCs). All other constituents were at non-detectable concentrations or were below the most stringent rSHS MSCs. The lead-impacted soils were excavated and disposed of off site at an approved disposal facility. Approximately 12 cubic yards of lead-impacted soil was removed from the UST excavation. Post-excavation samples were collected and the lead concentrations were detected below the most stringent rSHS. RT discovered two areas in which non-soil material (phenol material) was buried in the subsurface soils (AOC 2A & 2B). RT excavated all non-soil material in both areas. Approximately 600 cubic yards of non-soil material was removed from the subsurface soils. The non-soil material was stockpiled on polypropylene sheeting onsite. Twelve post-excavation samples were collected from each phenol material area and analyzed for semi-volatile organic compounds (SVOCs). All samples revealed that SVOC concentrations in both areas were either non-detect or detected below the most stringent rSHS. During the removal of a retaining wall adjacent to Chiques Creek, historical petroleum impacted soil was observed proximal to a former supply line associated with a decommissioned AST (AOC 3). During the excavation of the subsurface soils, all soils exhibiting petroleum odors or evidence of impact were removed from the excavation and stockpiled on polypropylene sheeting. Approximately 1,500 cubic yards of historical-impacted petroleum soil was removed from the excavation and stockpiled. Twelve post-excavation samples were collected and analyzed for PADEP petroleum parameters. The analytical results indicated that the petroleum constituents were either non-detect or detected below the most stringent rSHS. The stockpiled phenol material and historical petroleum-impacted soils were placed within an onsite consolidation berm. The consolidated berm was constructed onsite with both impacted material and excess clean material from the site. Once the consolidated berm was constructed, a non-woven geotextile material and impermeable cap/liner and soil cover were utilized to cap the impacted and excess clean material. Based on soil quality results and through deed restriction and pathway elimination, the Site-Specific Standard for soil has been demonstrated for the phenol and historical petroleum soil AOCs. An exposure pathway

analysis has determined that no current or future pathways are present at the Site. Therefore, for those constituents detected at concentrations above their respective rSHS MSCs, a Site-Specific Standard is attained by pathway elimination; this includes SVOCs in soil media for the non-soil material and the petroleum constituents. Based on the post-excavation soil results, Statewide Health Standards has been attained for leaded gasoline for AOC 1. Therefore, Manheim Area Economic Development Corporation requests a Release of Liability for these constituents as afforded by Act 2.

Remediator/Property Owner/Consultant

Contact Person: Robert Stoner

Title: Remediator

Phone Number: 7176652461

Email Address: rstoner@manheimboro.org

Company Name: Manheim Area Economic Development Corp.

Address: 15 East High Street
Manheim, PA 17545

Contact Person: Craig Herr

Title: Consultant

Phone Number: 6102651510 extension 15

Email Address: cherr@rtenv.com

Company Name: RT Environmental Services, Inc.

Address: 215 West Church Road
King of Prussia, PA 19406

Attachments (Note: Click the file name will open a new window.)

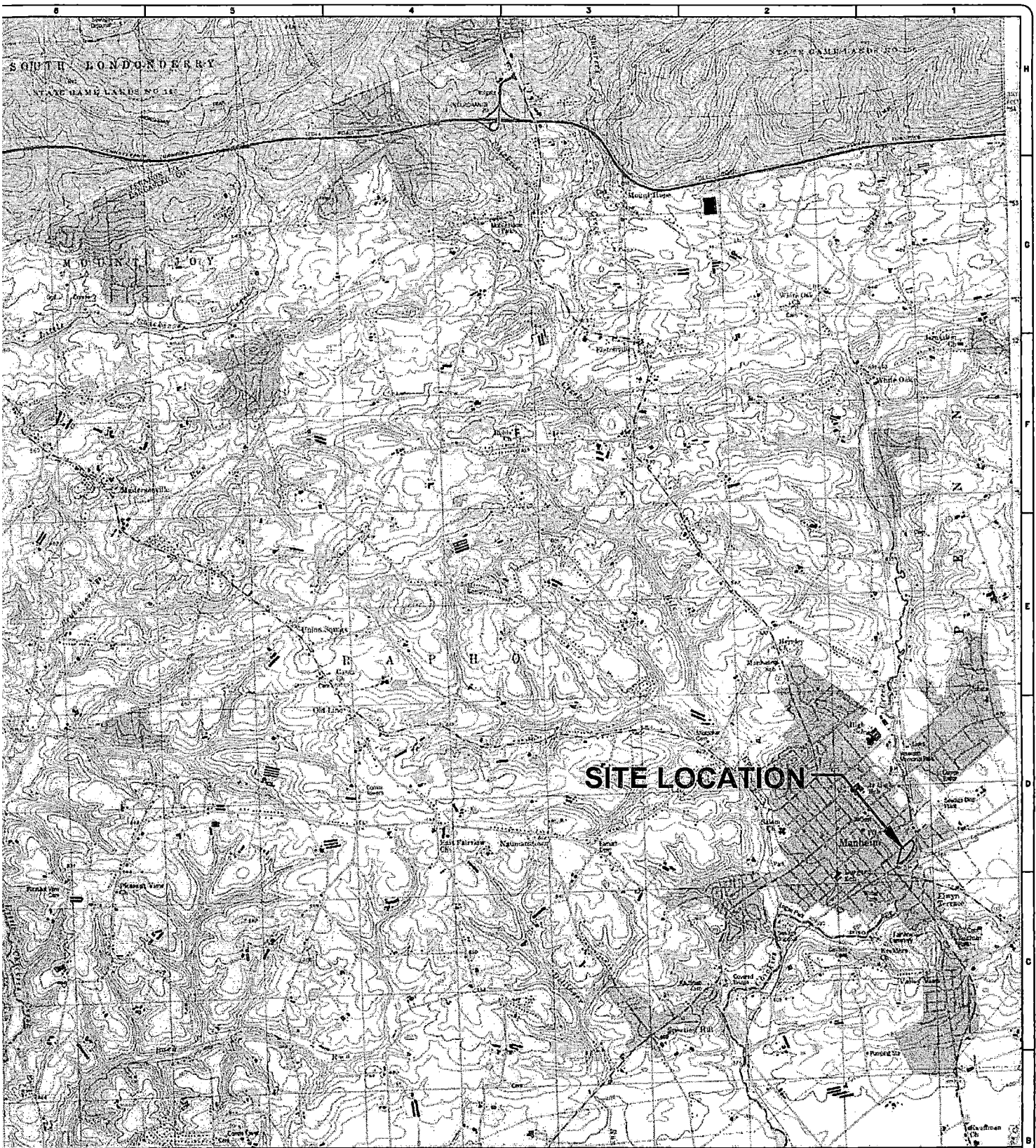
Print this final report summary

Update this final report summary

Update another final report summary

Review another final report summary

Submit another final report summary



PREPARED BY:
RT ENVIRONMENTAL SERVICES, INC.
 215 W. CHURCH RD.
 KING OF PRUSSIA, PA 19406

FIGURE 1

SITE LOCATION MAP

FOR
**MANHEIM AREA ECONOMIC
 DEVELOPMENT CORPORATION**
 15 EAST HIGH STREET
 MANHEIM, PENNSYLVANIA 19545

CHARGE
 2708-66

ENGINEER
 GRB

DESIGNER
 TD

DRAFTSPERSON
 TD

APPROXIMATE SCALE
 1" = 2,000'

DATE
 JAN. 17, 2007

DRAWING NUMBER
 G:\RT PROJECTS\2700
 SERIES\2708-66\DRAWINGS\FIGURE 1 - SLM

REVISION

